

**Data sheet for three-phase Asynchronous Squirrel-Cage-Motors****三相异步鼠笼电动机数据表****MLFB-Ordering data:** 1MT8004-3BA23-3AA4

Flameproof grade: Ex db IIB T4 Gb

**Motor type:**

Client order no.:

Order no.:

Offer no.:

Remarks:

| U     | D / Y | f    | P       | P    | I       | n       | M    | NOM. EFF at ... load [%] |      |      | Power factor at ... load |      |      | I <sub>s</sub> /I <sub>N</sub> | M <sub>s</sub> /M <sub>N</sub> | M <sub>k</sub> /M <sub>N</sub> | IE-CL |
|-------|-------|------|---------|------|---------|---------|------|--------------------------|------|------|--------------------------|------|------|--------------------------------|--------------------------------|--------------------------------|-------|
| [V]   |       | [Hz] | [kW]    | [hp] | [A]     | [1/min] | [Nm] | 4/4                      | 3/4  | 2/4  | 4/4                      | 3/4  | 2/4  | I <sub>s</sub> /I <sub>N</sub> | T <sub>s</sub> /T <sub>N</sub> | T <sub>B</sub> /T <sub>N</sub> |       |
| 380   | D     | 50   | 220     | /    | 380     | 2986    | 704  | 96.5                     | 96.3 | 95.3 | 0.91                     | 0.90 | 0.86 | 8.5                            | 2.6                            | 2.6                            | IE4   |
| 660   | Y     | 50   | 220     | /    | 220     | 2986    | 704  | 96.5                     | 96.3 | 95.3 | 0.91                     | 0.90 | 0.86 | 8.5                            | 2.6                            | 2.6                            | IE4   |
|       |       |      |         |      |         |         |      |                          |      |      |                          |      |      |                                |                                |                                |       |
|       |       |      |         |      |         |         |      |                          |      |      |                          |      |      |                                |                                |                                |       |
| IM B3 |       |      | FS 355M |      | 1590 kg |         | IP55 | IEC/EN 60034             |      |      | IEC, DIN, ISO, VDE, EN   |      |      |                                |                                |                                |       |

**Mechanical data / 机械性能数据**

|  |   |         |
|--|---|---------|
| Sound pressure level 50Hz/60Hz (No load)<br>声压等级 50Hz/60Hz (空载)(dB(A)) | 82                                      | /       |
| Moment of inertia<br>转动惯量 (kgm²)                                       | 2.995                                   |         |
| Bearing DE   NDE<br>轴承 DE   NDE  | 6317 C3                                 | 6317 C3 |
| Relubrication quantity (DE NDE)<br>再润滑用量 (g) (DE NDE)                  | 30g                                     | 30g     |
| Relubrication interval (DE NDE)<br>再润滑周期 (h) (DE NDE)                  | 3000h                                   |         |
| Lubricants<br>润滑脂  | BME                                     |         |
| Regreasing device<br>再润滑装置   | Yes                                     |         |
| Grease nipple<br>油杯  | M10x1                                   |         |
| Type of bearing<br>轴承类型  | Floating bearing DE                     |         |
| Condensate drainage holes<br>排水孔                                       | No                                      |         |
| External earthing terminal<br>外部接地                                     | Yes                                     |         |
| Vibration class<br>振动等级  | A                                       |         |
| Insulation<br>绝缘等级   | 155(F)                                  |         |
| Duty type<br>工作方式  | S1                                      |         |
| Direction of rotation<br>旋转方向  | Bidirectional                           |         |
| Frame material<br>机座材料   | Cast iron                               |         |
| Data of anti condensation heating<br>防潮加热                              | No                                      |         |
| Coating<br>喷漆  | Yes                                     |         |
| Color<br>颜色  | RAL 7011                                |         |
| Motor protection<br>电机保护   | A=without winding protection            |         |
| Method of cooling<br>冷却方式  | IC411 - Self ventilated, surface cooled |         |

**Terminal box / 接线盒**

|                                     |                         |
|-------------------------------------|-------------------------|
| Terminal box position<br>接线盒位置      | Top                     |
| Material of terminal box<br>接线盒材料   | Cast iron               |
| Type of terminal box<br>接线盒型号       | /                       |
| Cable diameter<br>电缆直径 (mm)         | 30~31/35~36/44~45/49~50 |
| Hoop gland diameter<br>接线盒斗直径       | 2xφ90                   |
| Main terminal thread<br>接线端子螺纹      | 6xM16                   |
| Cable gland<br>葛兰                   | /                       |
| Max. auxiliary terminals<br>最大辅助端子数 | /                       |
| Auxiliary cable entry<br>辅助进线孔      | /                       |

**Special design / 特殊设计****Environmental conditions / 环境条件**

|                                      |          |
|--------------------------------------|----------|
| Ambient temperature<br>环境温度(°C)      | -20 ~ 40 |
| Altitude above sea level<br>海拔高度 (m) | 1000m    |